

Fish Creek Dam and Hubert H. Moss Lake

OWNER

City of Gainesville.

ENGINEER (Design)

Freese, Nichols and Endress.

LOCATION

On Fish Creek, in Cooke County, 10 miles northwest of Gainesville.

DRAINAGE AREA

65 square miles.

DAM

Type	Earthfill
Length	1,460 ft
Maximum height	93 ft
Top width	Varies 17 to 40 ft

SPILLWAY (emergency)

Location	Near left end of the dam
Type	Cut through natural ground
Length of crest	400 ft
Elevation	725.0 ft above msl
Control	None

SPILLWAY (service)

Type	Rectangular drop inlet and 7 by 7 ft conduit
Crest elevation	715.0 ft above msl
Control	None

OUTLET WORKS

Type	1 conduit, 30-inch diameter
Low invert elevation	666.0 ft above msl
Control	2 valve-controlled outlets to river channel and future water supply

STATE AUTHORIZATION

Permit No. 2034 (Application No. 2234), November 12, 1964, provides for a dam to impound 23,210 acre-feet of water and annual diversion of 4,500 acre-feet for municipal use and 2,500 acre-feet for industrial use.

RESERVOIR DATA (Based on 1958 aerial photographs and prepared by the design engineers)

FEATURE	ELEVATION (FEET ABOVE MSL)	CAPACITY (ACRE-FEET)	AREA (ACRES)
Top of dam	740.0 and 741.0	—	—
Emergency spillway crest	725.0	36,440	1,500
Service spillway crest	715.0	23,210	1,125
Streambed	647.0	0	0
Usable capacity	—	23,210	—

GENERAL

Construction started	December 8, 1964
Impoundment of water began	April 1966
Dam completed	September 24, 1966
General contractor	Buckner Construction Company and Hopple Jordan Construction Company
Estimated cost	\$671,000

